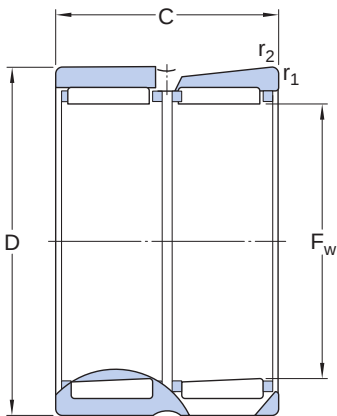


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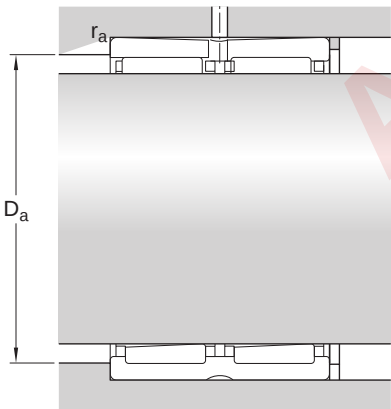
Double row needle roller bearings without an inner ring consist of an outer ring with two needle roller and cage assemblies. They are an excellent choice for compact bearing arrangements in applications where hardened and ground raceways can be provided on the shaft. The outer ring includes flanges to guide the roller and cage assemblies and has features to facilitate relubrication. The roller and cage assemblies and the outer ring form a non-separable unit.



- High radial load carrying capacity
- High stiffness
- Low cross-sectional height
- Accommodate axial displacement in both directions
- Enable a larger shaft diameter and a more rigid bearing arrangement



Dimensions		
F _w	90 mm	Diameter under rollers
D	110 mm	Outside diameter
C	54 mm	Width
r _{1,2}	min. 1 mm	Chamfer dimension outer ring



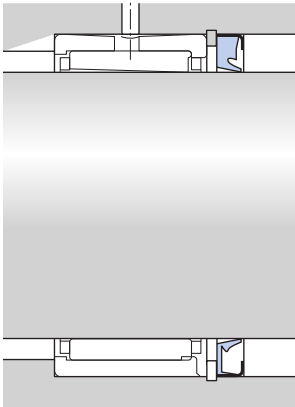
Abutment dimensions		
D _a	max. 105 mm	Diameter of housing abutment
r _a	max. 1 mm	Fillet radius

Calculation data

AGA performance class

AGA Explorer

Basic dynamic load rating	C	156 kN
Basic static load rating	C ₀	315 kN
Fatigue load limit	P _u	40 kN
Reference speed		4 500 r/min
Limiting speed		5 000 r/min



Associated seals

90x110x10 HMS5 RG Radial shaft seal

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances: Normal, P6, P5, ISO - F6 (F_w)
- Radial internal clearance: table

DESIGN CONSIDERATIONS

- Housing tolerances: table
- Shaft tolerances: Operating clearance